

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE (REV. 2-2005)		ATTORNEY'S DOCKET NUMBER 71027-022
<b>TRANSMITTAL LETTER TO THE UNITED STATES</b> <b>DESIGNATED/ELECTED OFFICE (DO/EO/US)</b> <b>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <div style="font-size: 1.2em; font-weight: bold;">10/551245</div>
INTERNATIONAL APPLICATION NO. <b>PCT/DE2004/000150</b>	INTERNATIONAL FILING DATE <b>31 January 2004 (31/01/2004)</b>	PRIORITY DATE CLAIMED <b>28 March 2003 (28/03/2003)</b>
TITLE OF INVENTION <b>PISTON RING</b>		
APPLICANT(S) FOR DO/EO/US <b>BREUER, Claus; MITTLER Richard</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). <span style="float: right;">courtesy copy</span></li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> <li>11. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li> <li>12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li> </ol> <p>Items 13 to 23 below concern document(s) or information included:</p> <ol style="list-style-type: none"> <li>13. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>15. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>16. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>17. <input type="checkbox"/> A substitute specification.</li> <li>18. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li>22. <input checked="" type="checkbox"/> Express Mail Label No. <b>EV564946991US</b></li> <li>23. <input checked="" type="checkbox"/> Other items or information:  <div style="margin-left: 20px;">Express Mail Certificate, Postcard</div> </li> </ol>		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO (if known, see 37 CFR 1.5) <div style="font-size: 24pt; font-weight: bold;">10/551245</div>		INTERNATIONAL APPLICATION NO. <div style="font-weight: bold;">PCT/DE2004/000150</div>		ATTORNEY'S DOCKET NUMBER <div style="font-weight: bold;">71027-022</div>	
The following fees are submitted: 24. <input checked="" type="checkbox"/> Basic national fee ..... \$300				<b>CALCULATIONS</b>	<b>PTO USE</b>
25. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4). ..... \$100 All other situations. .... \$200				\$ 300.00	
26. <input checked="" type="checkbox"/> Search fee ..... Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... \$100 International Search Report prepared and provided to the Office ..... \$400 All other situations. .... \$500				\$ 200.00	
<b>TOTAL OF 24, 25 and 26 =</b>				\$ 500.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				\$ 1,000.00	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)	RATE		
- 100 =	0	/50 =	0	x \$250.00	\$ 0.00
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	6 - 20 =	0	x \$50.00	\$ 0.00	
Independent claims	1 - 3 =	0	x \$200.00	\$ 0.00	
MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00				\$ 0.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 1,000.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$ 0.00	
<b>SUBTOTAL =</b>				\$ 1,000.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ 0.00	
<b>TOTAL NATIONAL FEE =</b>				\$ 1,000.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +				\$ 0.00	
<b>TOTAL FEES ENCLOSED =</b>				\$ 1,000.00	
				<b>Amount to be</b>	\$
				<b>Amount to be</b>	\$

a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.

b. ☒ Please charge my Deposit Account No. 06-0420 in the amount of \$1,000.00 to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. \_\_\_\_\_. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

**ROBERT L. STEARNS**  
**HOWARD & HOWARD ATTORNEYS, P.C.**  
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\_\_\_\_\_  
SIGNATURE

**Robert L. Stearns**

\_\_\_\_\_  
NAME

**36,937**

\_\_\_\_\_  
REGISTRATION NUMBER

10/551245

JC12 Rec'd PCT/IPC 28 SEP 2005

**PATENT COOPERATION TREATY  
BEFORE THE IPEA/US**

Applicant: **BREUER Claus, MITTLER Richard**

Int. App. Number PCT/DE04/000150

Serial Number Unknown

Filed: Herewith

Title: PISTON RING

Attorney Docket No.: 71027-022

Accompanying

**EXPRESS MAIL CERTIFICATE**

Express Mail Label Number: **EV 564946991US**

Date of Deposit: September 28, 2005

I hereby certify that the following attached papers or fees:

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED  
OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 ( 2  
PAGES)

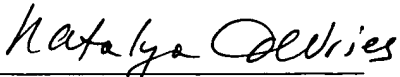
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PCT AND  
INTERNATIONAL SEARCH REPORT

POSTCARD

AUTHORIZATION TO CHARGE THE DEPOSIT ACCOUNT 06-0420

Preliminary Amendment

are being deposited with the United States Postal Service "Express Mail Post Office to  
Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to  
"Commissioner for Patents, MAIL STOP PCT, P.O. Box 1450, Alexandria, Virginia  
22313-1450".

  
\_\_\_\_\_  
Natalya DeVries

**FEDERAL  
MOGUL**

Howard & Howard, P.C.  
Robert L. Stearns  
The Pinehurst Office Center  
Suite 101  
39400 Woodward  
Bloomfield, MI 48304-5151

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March 14, 2005  
Zellerhoff/Ru

U.S. PCT filing / Rollout of the national phase (Article 39 (1))  
"Piston ring"  
our file no.: MA 2820 PCT-US

Hi, Bob,

Enclosed are the text and drawing for our PCT filing PCT/DE 2004/000150 of January 31, 2004, our PCT statement, and our PCT application. Please file a corresponding application for the U.S. We leave it to you to have the necessary drawing prepared. For your reference and convenience, we enclose copies of the description of the state of the art used in our German patent application.

JP 09-196171 Abstract, JP 02-229964 Abstract, DE 1675484 U, Dubbel, *Taschenbuch f. d. Maschinenbau* [Handbook of Machine Building]

Please be sure to send us all the documents required, for possible signature.

The following persons should be credited as the inventors. Both are German citizens:

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61200 Wolfersheim  
Germany

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Altstadtstr. 176  
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Please indicate the following as the entity empowered to receive delivery or service of process:

**Federal-Mogul Holding Deutschland GmbH, Burscheid Office – Patents,  
Bürgermeister-Schmidt-Str. 17, 51399 Burscheid, Germany. Tel. 0049-2174-691329, Fax: 0049-2174-691699.**

Sincerely,  
Federal-Mogul Holding Deutschland GmbH  
Signed on behalf of

[s. illegible]  
Zellerhoff

**DS  
Q**

EXBO  
14001  
[logo]  
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Company

District Court of Cologne  
HRB 4 89 86

General Manager  
Michael Hedderich  
Dr. Frank Grunow

Bank Account  
Commerzbank Leverkusen  
Accnt. No.: 4390 126  
Wire Code No. 375 400 50

[illegible 2 lines of text]